

AkronGold™ CF1A

Product Description & Application

AkronGold CF1A is a FOGRA approved fountain solution concentrate formulated for sheet-fed presses with alcohol and integrated dampening systems. It can be used with a very low dose of isopropanol (IPA) or even without IPA.

Features & Benefits

- FOGRA approved for Heidelberg, MAN Roland & KBA; conforms to warranty requirements
- Free of VOC's (Volatile Organic Compounds); for a cleaner & safer pressroom
- Digital & Analog plate safe; for zero plate cancellation
- Contains corrosion inhibitors; to safeguard expensive metal press parts
- Formulated with high-performance anti-piling properties; to reduce press downtime
- Effective biocide system; for prolonged bath life & minimal effluent generation
- Enables fast clean-up and rapid attainment of ink-water balance; for reduced start-up wastage

Usage Instructions

- Depending on usage condition, add between 2% ~ 4% concentrate in water (20 ml ~ 40 ml concentrate in one litre of water).
- Ideal dilution depends on press speed, type of dampening system, ink type and paper quality.
- Use a freshly calibrated conductivity meter, for accurate dosing control. Ensure that the mixed fount solution is within $\pm 100 \mu\text{s}$ of the pre-determined mix.
- Mechanical dosing devices for IPA are not recommended. Use an electronic dosing device for dosing IPA below 5%, for greater press stability.
- To ensure optimum tray life, thoroughly clean the dosing, circulation and feeding systems with Fount System Cleaner and deglaze ink train and dampening rubber rollers, before charging freshly mixed solution.
- Recommended IPA dosage: 0~5%.

Properties & Positioning

Product Related			Press Related		
Chemical Composition	Contains Drying Additives	×	Application	Business Forms Web	✓
	Contains Corrosion Inhibitors	✓		Coldset Web	×
	Contains Defoamers	✓		Heatset Web	×
		Sheet-fed		✓	
Technical Properties	Typical Dosage(%)	2~4 %	Dampening Systems	Coldset Brush	×
	pH @ 2% in DM water (25°C)	4.80-5.20		Coldset Spray	×
	Conductivity @ 2% in DM water (25°C)	900-1400 μs		Coldset Turbo	×
	IPA Dosing Range	0~5 %		Heatset - Non Contact	×
		Heatset - Contact		×	
		Sheet-fed Alcohol Damp		✓	
		Sheet-fed Conventional		✓	
Ink Related			Physical Properties (Concentrated)		
Compatibility	Conventional Inks	✓	Appearance	Yellowish	
	Metallic Inks	✓	Specific Gravity	1.06 - 1.09	
	UV	✓			

DOSE
2~3%

CtP ✓

Plate Compatibility

Thermal Plates	Violet Plates	Analog Plates
All Brands	All Brands	All Brands

Water Compatibility

Soft Water Alkalinity < 25 ppm	Medium Water Alkalinity < 150 ppm	Hard Water Alkalinity upto 300 ppm	Very Hard Water Alkalinity > 300 ppm
✓	✓	✓	×

Storage, Handling & Packaging

- Storage & Handling : Protect from direct sunlight. Store at moderate temperature in dry, well-ventilated area. Keep containers tightly closed; when not in use. The use of hand gloves is recommended.
- Shelf-life : 12 months from the date of manufacture
- Packing : 5 & 20 litres
- Caution : Avoid contact with skin and eyes

About Us

TechNova is recognised as one of the world's largest providers of digital & analog imaging and printing solutions for the Graphic Communications industry. Globally recognised as a pioneer, TechNova has introduced several new breakthrough technologies that have transformed various imaging processes. TechNova offers a comprehensive Imaging Ecosystem of integrated solutions and services for the Print, Publishing, Packaging, Textile, Engineering, Signage and Photo industries.

Highlights

- World's only manufacturer of full range of Offset Plates : Violet, Thermal, UV, Analog, Inkjet & Laser
- One of the world's largest manufacturer of Graphic Art Chemistry
- Widest portfolio of Inkjet & Laser Media
- Products distributed to over 68 countries worldwide
- ISO 9001:2015 Certification
- ISO 14001 & ISO 18001 Certification
- Winner of the prestigious GATF InterTech Technology Award
- Pioneer of the "Go Green" revolution in the Indian printing industry

Product Portfolio

- Offset Printing Plates
- Printing Chemicals
- Violet CtP Systems
- Digital Printing Systems
- Waterless Offset Plates
- Digital Print Media
- Thermal CtP Systems
- Software & Workflows
- Flexo & Letterpress Plates
- Offset Blankets
- Inkjet CtP Systems
- Value-added Services

Corporate Office

TechNova Imaging Systems (P) Limited
2401-08, Cyber One
Pranav Anandji Marg, Sector 30A
Navi Mumbai 400 703
Phone : +91 22 2741 2463

HelpDesk

Toll-free (India) : 1 800 22 7474
Phone : +91 22 2741 2464 (Extn. 600)
eMail : help@technovaworld.com
Web : www.technovaworld.com



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